

## Title (en)

AMORPHOUS CARBON MATERIAL AND GRAPHITE CARBON MATERIAL FOR NEGATIVE ELECTRODES OF LITHIUM ION SECONDARY BATTERIES, LITHIUM ION SECONDARY BATTERY USING SAME, AND METHOD FOR PRODUCING CARBON MATERIAL FOR NEGATIVE ELECTRODES OF LITHIUM ION SECONDARY BATTERIES

## Title (de)

AMORPHES KOHLENSTOFFMATERIAL UND GRAPHITKOHLENSTOFFMATERIAL FÜR NEGATIVELEKTRODEN VON LITHIUM-IONEN-SEKUNDÄRBATTERIEN, LITHIUM-IONEN-SEKUNDÄRBATTERIE DAMIT UND VERFAHREN ZUR HERSTELLUNG EINES KOHLENSTOFFMATERIALS FÜR NEGATIVELEKTRODEN VON LITHIUM-IONEN-SEKUNDÄRBATTERIEN

## Title (fr)

MATÉRIAU DE CARBONE AMORPHE ET MATÉRIAU DE CARBONE GRAPHITE POUR ÉLECTRODES NÉGATIVES DE BATTERIES SECONDAIRES AU LITHIUM-ION, BATTERIE SECONDAIRE AU LITHIUM-ION LES UTILISANT ET PROCÉDÉ DE PRODUCTION DE MATÉRIAU DE CARBONE POUR ÉLECTRODES NÉGATIVES DE BATTERIES SECONDAIRES AU LITHIUM-ION

## Publication

**EP 2960972 A4 20160217 (EN)**

## Application

**EP 14772668 A 20140320**

## Priority

- JP 2013070015 A 20130328
- JP 2014001632 W 20140320

## Abstract (en)

[origin: EP2960972A1] This amorphous carbon material is used as a material for a negative electrode of a lithium-ion secondary battery. The material has a circularity of 0.7 to 0.9, both inclusive, a mean particle size of 1 µm to 30 µm, both inclusive, and a total content of transition metals of 700 ppm to 2500 ppm, both inclusive.

## IPC 8 full level

**H01M 4/587** (2010.01); **H01M 10/0525** (2010.01)

## CPC (source: EP US)

**C01B 32/05** (2017.07 - EP US); **C01B 32/20** (2017.07 - EP US); **C01B 32/205** (2017.07 - EP US); **H01M 4/583** (2013.01 - US); **H01M 4/587** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **H01M 10/0525** (2013.01 - US); **H01M 2220/20** (2013.01 - US); **H01M 2220/30** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - US)

## Citation (search report)

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- [XA] WO 2005043653 A1 20050512 - SHOWA DENKO KK [JP], et al
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- See references of WO 2014156098A1

## Designated contracting state (EPC)

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## Designated extension state (EPC)

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## DOCDB simple family (application)

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